

IN THE SPECIFICATIONS:

Please amend the paragraphs below as shown:

[0058] Illustrated in figure 5 is a cross-sectional view of a spray-deposited permanent magnet array 36 and a planar planar coil 38 produced by the method described above. If the coil 38 is integrally assembled with ~~the~~ a moving element or "rotor", then the electrical EMF must be extracted through some type of mechanical commutator arrangement which is well-known in the art (e.g., DC motor/generator). Alternatively, the moving permanent magnet array can be envisioned with a stationary coil set obviating the need for a commutator (e.g., brushless permanent magnet motor/generator). It will be apparent that integral permanent magnets developed by a simple spray process could be incorporated into various moving features of the motor with planar coils arranged adjacently to extract electrical power as required, or alternatively, to produce resultant forces which could act as a braking or accelerating elements.

[0059] The motor 40 is made from a support 42 secured to the core 44. Depending on the physical requirements of the motor 40, the support 42 may be eliminated. This is useful if the permanent magnets 36 are directly applied to a motor component such as the motor housing or the rotor. The core 44 may be optimized to conduct the magnetic flux 50. Materials such as cast iron and steel are suitable conduits for the magnetic flux between the permanent magnets 36. Assemblies can be produced that take advantage of magnetically-soft, rotating articles in a vehicle, such as the engine flywheel, to act as the carrier. The carrier 44 directs the magnetic flux 50 between adjacent magnets 36, where the magnetic flux lines penetrate the area defined by the coil 38 are enhanced by the underlying soft magnetic material of the carrier. Electrical insulation 46 between the coil 38 and ~~the an~~ armature core 48 isolates the coil 38 from the armature core 48. It will also be apparent that the magnetic flux 50 penetrating the area defined by the coil 38, can also be greatly enhanced through a symmetric arrangement of magnets on either side of the coil 38. The concentration of magnetic flux lines by the judicious arrangement of soft magnetic elements will increase the effective power density of an electric machine employing this construction.